

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

Filing Date: February 1, 2001

(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 2 of 10

Amendments to the Claims

Please amend claims 26, 37, 74, 77, 79 and 82 as indicated in the listing of claims presented herein.

Listing of claims

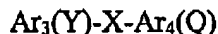
This listing of claims will replace all prior versions, and listings, of claims in the application:

1.-25. (Cancelled).

26. (Currently amended) A composition for local administration comprising a second or third generation antidepressant, and a vehicle suitable for local administration, wherein the second or third generation antidepressant is selected from the group consisting of ~~amoxapine~~, maprotiline, bupropion, ~~mirtazapine~~, ~~venlafaxine~~, ~~nefazodone~~ and reboxetine.

27.-36. (Cancelled).

37. (Currently amended) A composition for local administration comprising a second or third generation antidepressant that is not a 5-HT₂ receptor antagonist other than trazodone, and a vehicle suitable for local administration, wherein the second or third generation antidepressant has a structure:



wherein:

Ar₃ is a substituted N-containing heterocyclic ring,

Y is either an aryl group fused to the heterocyclic ring, or one or two substituents selected from the group consisting of alkyl, alkyloxy, arylalkyl, arylalkyloxy, aryl, heteroaryl substituents, and combinations thereof comprising a total of about 4 to 8 carbons attached to Ar₃,

X is an alkyl group comprising 2 to 5 carbon atoms linking Ar₃ and Ar₄,

Ar₄ is a piperazine attached to X by a first nitrogen atom of Ar₄, and

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

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(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 3 of 10

Q is a benzene ring optionally substituted with a biocompatible halogen and attached to Ar₄ at a second nitrogen atom of Ar₄.

38. (Previously presented) The composition according to claim 37 wherein the X is an alkyl group containing 3 carbons.

39. (Previously presented) The composition according to claim 37 wherein Ar₃ is a 1,2,4-triazole substituted at the 4 position with the arylalkoxy substituent containing 6 to 8 carbon atoms.

40. (Previously presented) The composition according to claim 39 wherein the heteroarylalkyl substituent contains an oxygen atom.

41. (Previously presented) The composition according to claim 37 wherein the benzene ring is substituted with a halogen selected from the group consisting of chlorine, bromine, and fluorine.

42. (Previously presented) The composition of claim 26 further comprising an inert carrier.

43. (Previously presented) The composition of claim 42 wherein the inert carrier is selected from the group consisting of water, isopropyl alcohol, gaseous fluorocarbons, ethyl alcohol, polyvinyl pyrrolidone, propylene glycol, a fragrance, a gel-producing material, stearyl alcohol, stearic acid, spermaceti, sorbitan monooleate, methylcellulose, and suitable combinations of any two or more thereof.

44. (Previously presented) The composition according to claim 26 wherein the composition further comprises a penetration enhancing agent.

45.-48. (Cancelled).

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

Filing Date: February 1, 2001

(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 4 of 10

49. (Previously presented) The composition according to claim 26 in a formulation selected from the group consisting of a cream, a lotion, a gel, an ointment, a spray, a patch, a polymer stabilized crystal, and an aerosol.

50. (Previously presented) The composition of claim 26 further comprising a neutralizing agent.

51. (Previously presented) The composition of claim 26 wherein the composition is formulated for local injection.

52. (Previously presented) The composition according to claim 26 wherein the antidepressant is encapsulated in a slow release delivery vehicle.

53. (Previously presented) The composition according to claim 52 wherein the delivery vehicle is selected from the group consisting of a liposome, a microcapsule, and a polymer stabilized crystal.

54.-71. (Cancelled).

72. (Previously presented) The composition according to claim 26, wherein the concentration of second or third generation antidepressant in said composition falls in the range of about 0.5 up to 10 wt %.

73. (Previously presented) The composition according to claim 37, wherein the concentration of second or third generation antidepressant in said composition falls in the range of about 0.5 up to 10 wt %.

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

Filing Date: February 1, 2001

(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 5 of 10

74. (Currently amended) A composition for topical administration comprising:
a second or third generation antidepressant, and
a vehicle suitable for topical administration,
wherein the second or third generation antidepressant is selected from the group
consisting of ~~amoxapine~~, maprotiline, ~~trazodone~~, bupropion, ~~mirtazapine~~, ~~venlafaxine~~,
~~nefazodone~~, and reboxetine, ~~and fluoxetine~~, and
wherein said vehicle is selected from the group consisting of a cream, a lotion, a gel, an
ointment, a spray, a patch, a polymer stabilized crystal, and an aerosol.

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cont.

75. (Previously presented) The composition of claim 74, wherein the composition
further comprises a penetration enhancing agent.

76. (Previously presented) The composition of claim 74, wherein the composition
further comprises a neutralizing agent.

77. (Currently amended) A composition for topical administration comprising:
a second or third generation antidepressant, and
a vehicle suitable for topical administration,
wherein the second or third generation antidepressant is selected from the group
consisting of ~~amoxapine~~, maprotiline, ~~trazodone~~, bupropion, ~~mirtazapine~~, ~~venlafaxine~~,
~~nefazodone~~, and reboxetine, ~~and fluoxetine~~, and
wherein said vehicle is a slow release delivery vehicle.

78. (Previously presented) The composition of claim 77, wherein the slow release
delivery vehicle is selected from the group consisting of a liposome, a microcapsule, and a
polymer stabilized crystal.

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

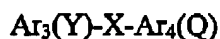
Filing Date: February 1, 2001

(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 6 of 10

79. (Currently amended) A composition for topical administration comprising a second or third generation antidepressant that is not a 5-HT₂ receptor antagonist, and a vehicle suitable for topical administration, wherein the second or third generation antidepressant has a structure:



wherein:

Ar₃ is a substituted N-containing heterocyclic ring,

Y is either an aryl group fused to the heterocyclic ring, or one or two substituents selected from the group consisting of alkyl, alkyloxy, arylalkyl, arylalkyloxy, aryl, heteroaryl substituents, and combinations thereof comprising a total of about 4 to 8 carbons attached to Ar₃,

X is an alkyl group comprising 2 to 5 carbon atoms linking Ar₃ and Ar₄,

Ar₄ is a piperazine attached to X by a first nitrogen atom of Ar₄, and

Q is a benzene ring optionally substituted with a biocompatible halogen and attached to Ar₄ at a second nitrogen atom of Ar₄, and

wherein said vehicle is selected from the group consisting of a cream, a lotion, a gel, an ointment, a spray, a patch, a polymer stabilized crystal, and an aerosol.

80. (Previously presented) The composition of claim 79, wherein the composition further comprises a penetration enhancing agent.

81. (Previously presented) The composition of claim 79, wherein the composition further comprises a neutralizing agent.

Application No.: 09/700,625

Attorney Docket No.: DALHO1290-1

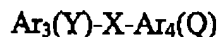
Filing Date: February 1, 2001

(028614-1102)

Response to Office Action (mailed April 23, 2003, Paper No. 22) faxed July 22, 2003

Page 7 of 10

82. (Currently amended) A composition for topical administration comprising a second or third generation antidepressant that is not a 5-HT₂ receptor antagonist, and a vehicle suitable for topical administration, wherein the second or third generation antidepressant has a structure:



wherein:

Ar₃ is a substituted N-containing heterocyclic ring,

Y is either an aryl group fused to the heterocyclic ring, or one or two substituents selected from the group consisting of alkyl, alkyloxy, arylalkyl, arylalkyloxy, aryl, heteroaryl substituents, and combinations thereof comprising a total of about 4 to 8 carbons attached to Ar₃,

X is an alkyl group comprising 2 to 5 carbon atoms linking Ar₃ and Ar₄,

Ar₄ is a piperazine attached to X by a first nitrogen atom of Ar₄, and

Q is a benzene ring optionally substituted with a biocompatible halogen and attached to Ar₄ at a second nitrogen atom of Ar₄, and wherein said vehicle is a slow release delivery vehicle.

83. (Previously presented) The composition of claim 82, wherein the slow release delivery vehicle is selected from the group consisting of a liposome, a microcapsule, and a polymer stabilized crystal.